CLAIMS

What is claimed is:

1. A method of automatically adjusting the central processing unit (CPU) work frequency comprising the steps of:

starting at least one set of sensor;

setting triggering conditions for a frequency adjustment;

monitoring the sensor in real time and detect its status values;

comparing the triggering conditions with the sensor status values in real time; and

adjusting the CPU work frequency according to the comparison result in real time.

2. The method of claim 1, wherein the sensor is selected from the group consisting of a voltage sensor, an electric current sensor, a temperature sensor, and a load sensor.

3. The method of claim 1, wherein the triggering conditions include a single condition for a single sensor and a plurality of conditions for a plurality of sensors.

4. The method of claim 1, wherein the triggering conditions are predetermined and stored in the computer system during production.

5. The method of claim 1, wherein the triggering conditions are set by the user when power on and stored in the computer system.

6. The method of claim 1, wherein the CPU frequency adjustment includes increasing and decreasing the frequency.

7. A device of automatically adjusting the CPU work frequency comprising:

at least one sensor, which detects the work status of a host machine and outputs a detected value;

a setting unit, which sets triggering conditions for a frequency adjustment;

a storage unit, which stores the triggering conditions set by the setting unit;

a comparing unit, which compares the detected value output from the sensor and the triggering conditions stored in the storage unit; and

a frequency adjusting unit, which modifies the CPU work frequency according to the comparison result of the comparing unit.

8. The device of claim 7, wherein the sensor is selected from the group consisting of a voltage sensor, an electric current sensor, a temperature sensor, and a load sensor.